

PATENT COOPERATION TREATY
PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PN0360-PCT	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/GB2004/003150	International filing date (day/month/year) 21/07/2004	(Earliest) Priority Date (day/month/year) 30/07/2003
Applicant AMERSHAM HEALTH AS		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 6 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. **Certain claims were found unsearchable** (See Box II).

3. **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

BICYCLIC PEPTIDE IMAGING AGENTS

5. With regard to the **abstract**,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. _____

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

b. none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2004/003150

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07K7/06 A61K51/08 A61K47/48 A61K49/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07K A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BIOSIS, EMBASE, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 03/006491 A (INDREVOLL BAARD ; SOLBAKKEN MAGNE (NO); AMERSHAM HEALTH AS (NO); CUTHB) 23 January 2003 (2003-01-23) the whole document	1-14
A	WO 01/77145 A (INDREVOLL BAARD ; CUTHBERTSON ALAN (NO); NYCOMED IMAGING AS (NO)) 18 October 2001 (2001-10-18) the whole document	1-14
A	WO 02/062819 A (BONASERA THOMAS A ; LIVNAH NURIT (IL); PEPTOR LTD (IL); SALITRA YOSEPH) 15 August 2002 (2002-08-15) the whole document	1-14
A	US 5 888 474 A (LISTER-JAMES JOHN ET AL) 30 March 1999 (1999-03-30) column 6, line 66 - column 10, line 38	1-14
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *8* document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

23 November 2004

30/11/2004

Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2004/003150

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02/20610 A (SRINIVASAN ANANTHACHARI ; ERION JACK L (US); MALLINCKRODT INC (US); SC) 14 March 2002 (2002-03-14) page 1, line 29 - page 13, last line claims ----- PEARSON D A ET AL: "THROMBUS IMAGING USING TECHNETIUM-99M-LABELED HIGH-POTENCY GPIIB/IIIA RECEPTOR ANTAGONISTS. CHEMISTRY AND INITIAL BIOLOGICAL STUDIES" JOURNAL OF MEDICINAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY. WASHINGTON, US, vol. 39, no. 7, 1996, pages 1372-1382, XP002061485 ISSN: 0022-2623 the whole document ----- HARRIS T D ET AL: "Tc-99m-labeled fibrinogen receptor antagonists: design and synthesis of cyclic RGD peptides for the detection of thrombi" BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, OXFORD, GB, vol. 6, no. 15, 6 August 1996 (1996-08-06), pages 1741-1746, XP004135594 ISSN: 0960-894X the whole document -----	1-14 1-14 1-14

INTERNATIONAL SEARCH REPORT

International application No.
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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: -
because they relate to subject matter not required to be searched by this Authority, namely:

Although claim 9 is directed to a diagnostic method practised on the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/GB2004/003150

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 03006491	A	23-01-2003		BR 0210886 A BR 0210965 A CA 2450690 A1 CA 2452923 A1 EP 1404377 A2 EP 1404371 A2 WO 03006070 A2 HU 0400974 A2 HU 0401265 A2 WO 03006491 A2	22-06-2004 08-06-2004 23-01-2003 23-01-2003 07-04-2004 07-04-2004 23-01-2003 30-08-2004 28-09-2004 23-01-2003
WO 0177145	A	18-10-2001		AU 5068301 A CA 2405469 A1 CN 1436195 T EP 1272507 A2 JP 2003531835 T WO 0177145 A2 US 2003204049 A1	23-10-2001 18-10-2001 13-08-2003 08-01-2003 28-10-2003 18-10-2001 30-10-2003
WO 02062819	A	15-08-2002		WO 02062819 A2 US 2004102364 A1	15-08-2002 27-05-2004
US 5888474	A	30-03-1999		US 5849260 A US 5811394 A US 5443815 A US 5879658 A US 5968476 A US 5736122 A US 6019958 A AT 213168 T AU 3276093 A AU 721198 B2 AU 3415197 A CA 2124458 A1 DE 69232418 D1 DE 69232418 T2 DK 614379 T3 EP 0614379 A1 ES 2172513 T3 JP 7506086 T US 5965108 A US 5981477 A US 5972308 A US 5985241 A WO 9310747 A2 US 6017509 A US 5993775 A US 5783170 A US 5866097 A US 5849261 A US 6183722 B1 US 5807537 A US 5814297 A AT 196094 T AU 677208 B2 AU 4384593 A CA 2136330 A1 DE 69329382 D1	15-12-1998 22-09-1998 22-08-1995 09-03-1999 19-10-1999 07-04-1998 01-02-2000 15-02-2002 28-06-1993 29-06-2000 06-11-1997 10-06-1993 21-03-2002 31-10-2002 13-05-2002 14-09-1994 01-10-2002 06-07-1995 12-10-1999 09-11-1999 26-10-1999 16-11-1999 10-06-1993 25-01-2000 30-11-1999 21-07-1998 02-02-1999 15-12-1998 06-02-2001 15-09-1998 29-09-1998 15-09-2000 17-04-1997 13-12-1993 25-11-1993 12-10-2000

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/003150

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
US 5888474	A		DE 69329382 T2	15-03-2001
			DK 641222 T3	11-12-2000
			EP 0641222 A1	08-03-1995
			EP 1004322 A2	31-05-2000
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			JP 3380738 B2	24-02-2003
			JP 10291939 A	04-11-1998
			JP 2941057 B2	25-08-1999
			JP 7508289 T	14-09-1995
			WO 9323085 A1	25-11-1993
			US 6083481 A	04-07-2000
			US 5925331 A	20-07-1999
			US 6074627 A	13-06-2000
			US 6248304 B1	19-06-2001
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WO 0220610	A	14-03-2002	AU 8884701 A	22-03-2002
			WO 0220610 A2	14-03-2002
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